

Fig. 1

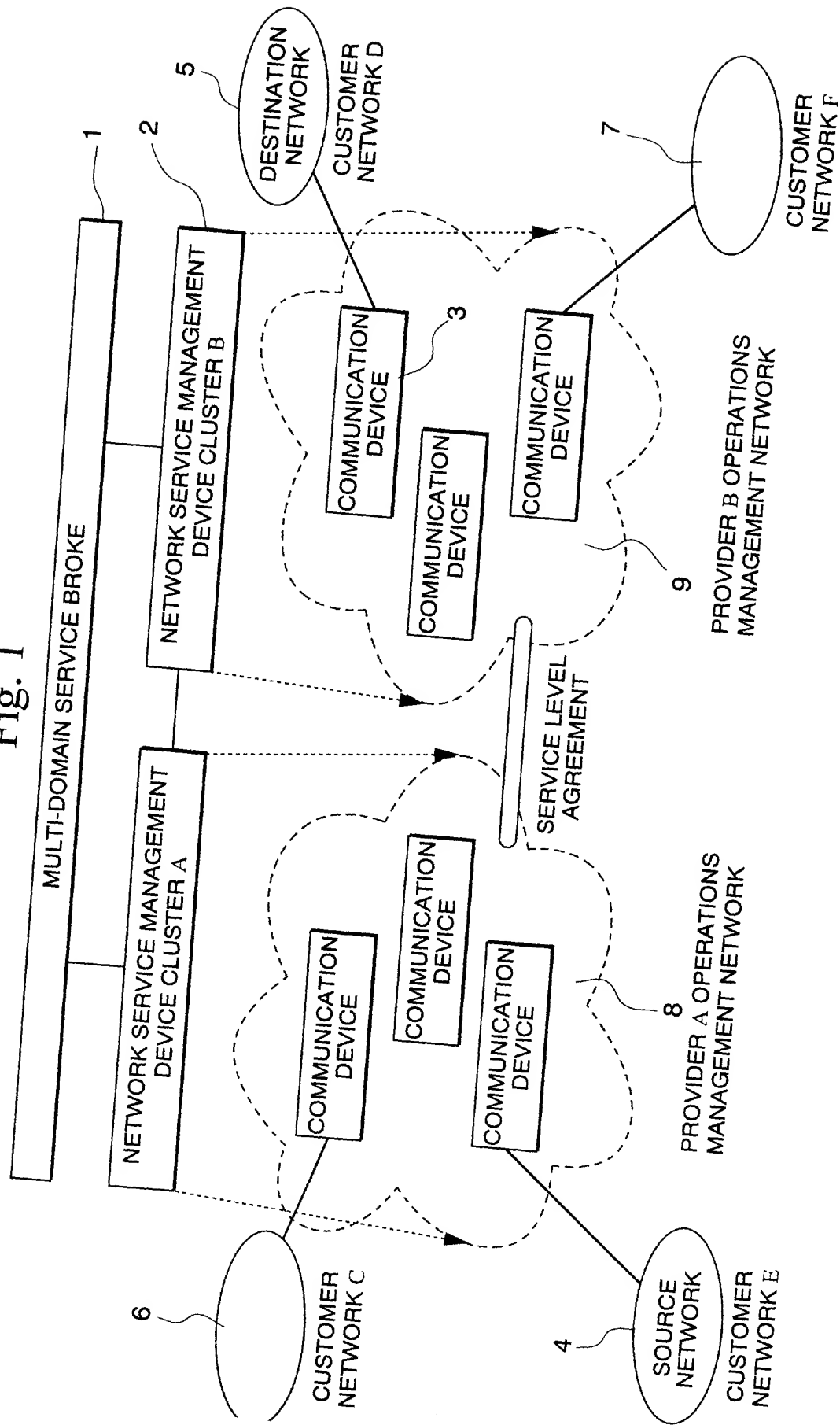


Fig. 2 2 TO MULTI-DOMAIN SERVICE BROKER

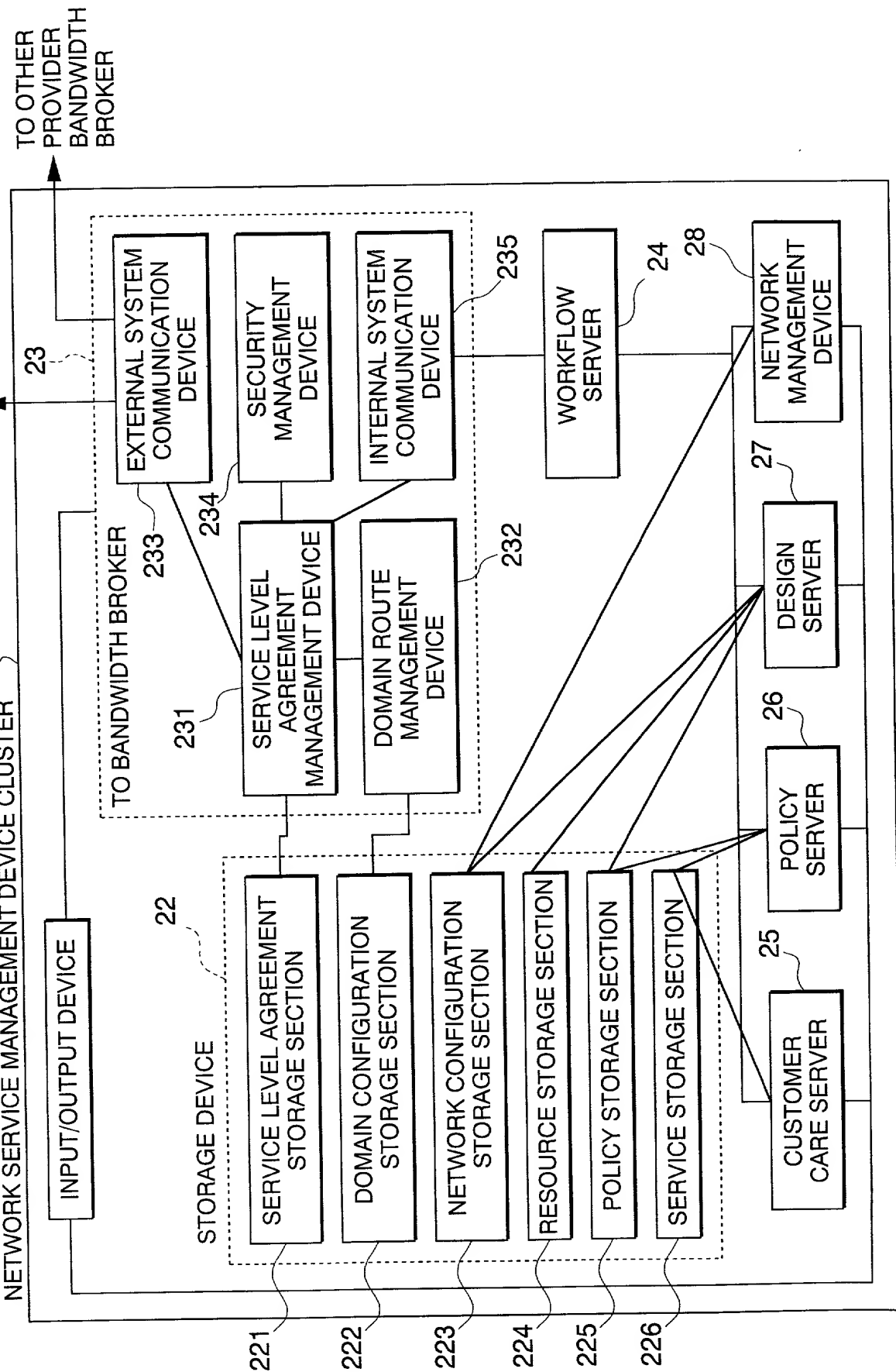


Fig. 3

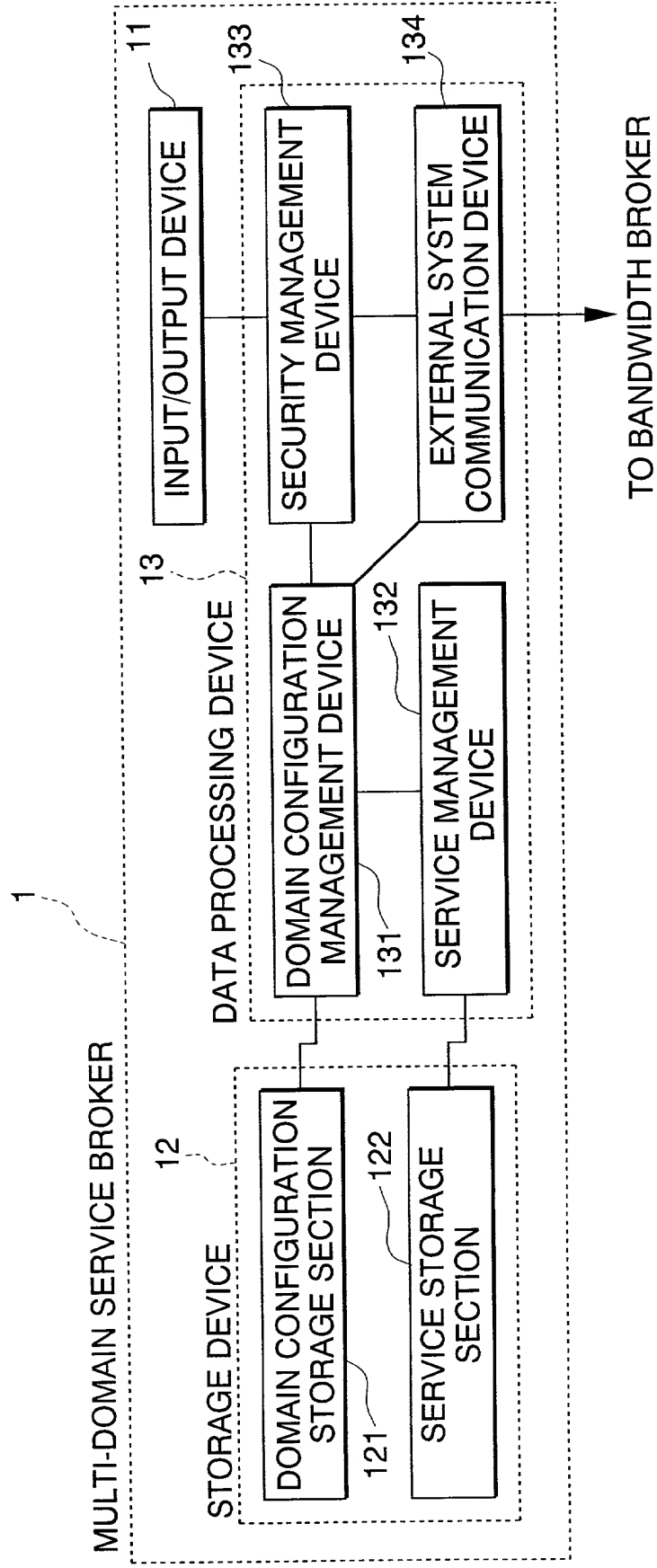


Fig. 4

(NETWORK SERVICE
MANAGEMENT DEVICE)

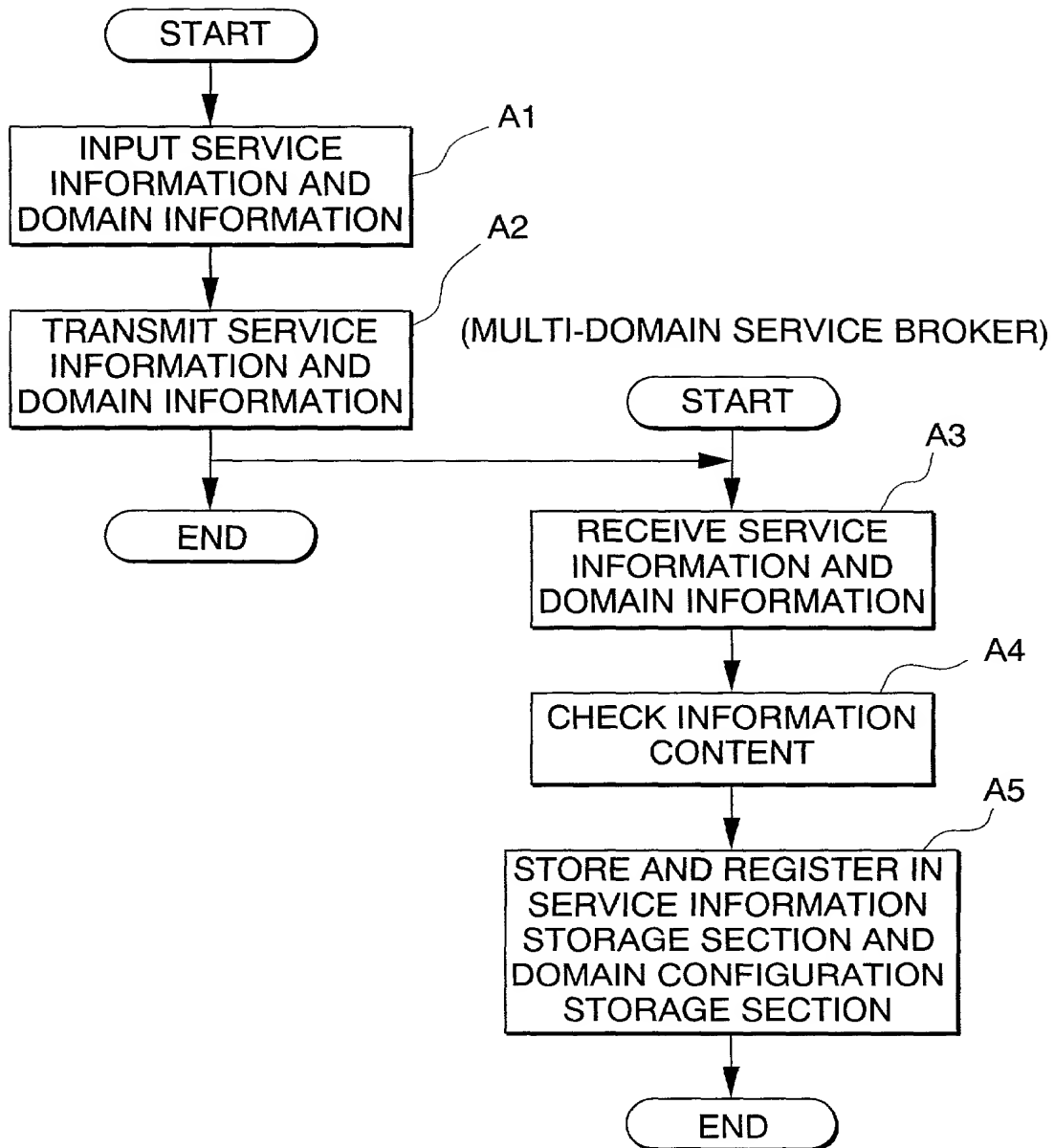


Fig. 5

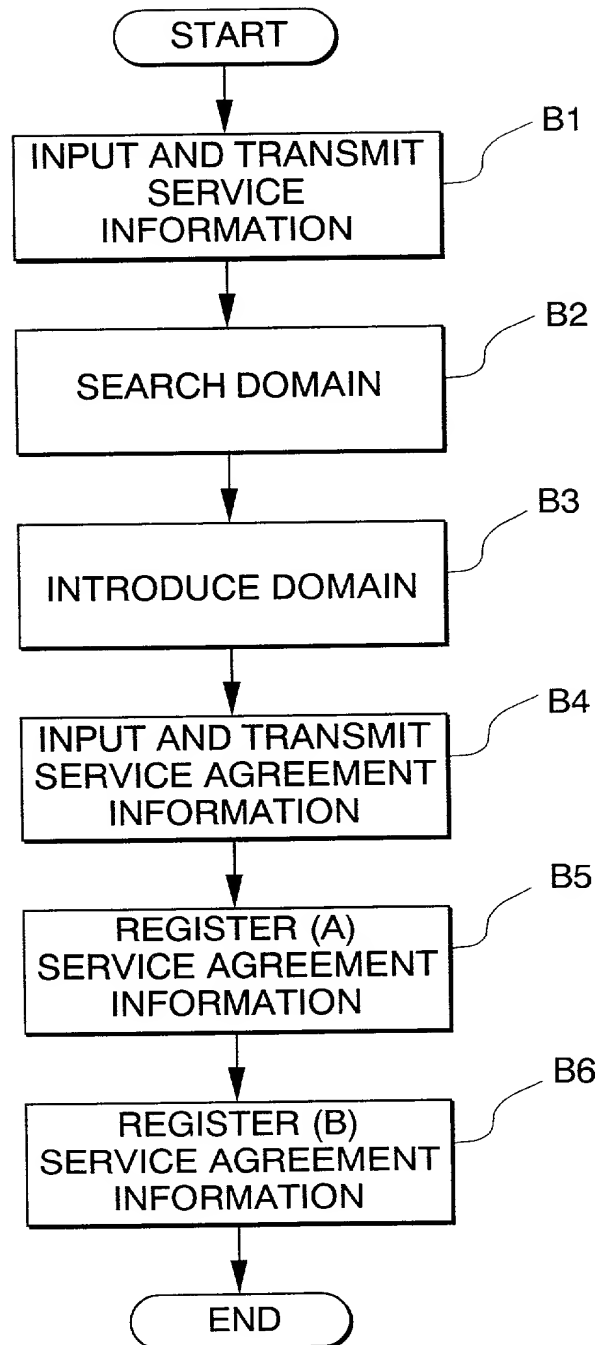


Fig. 6

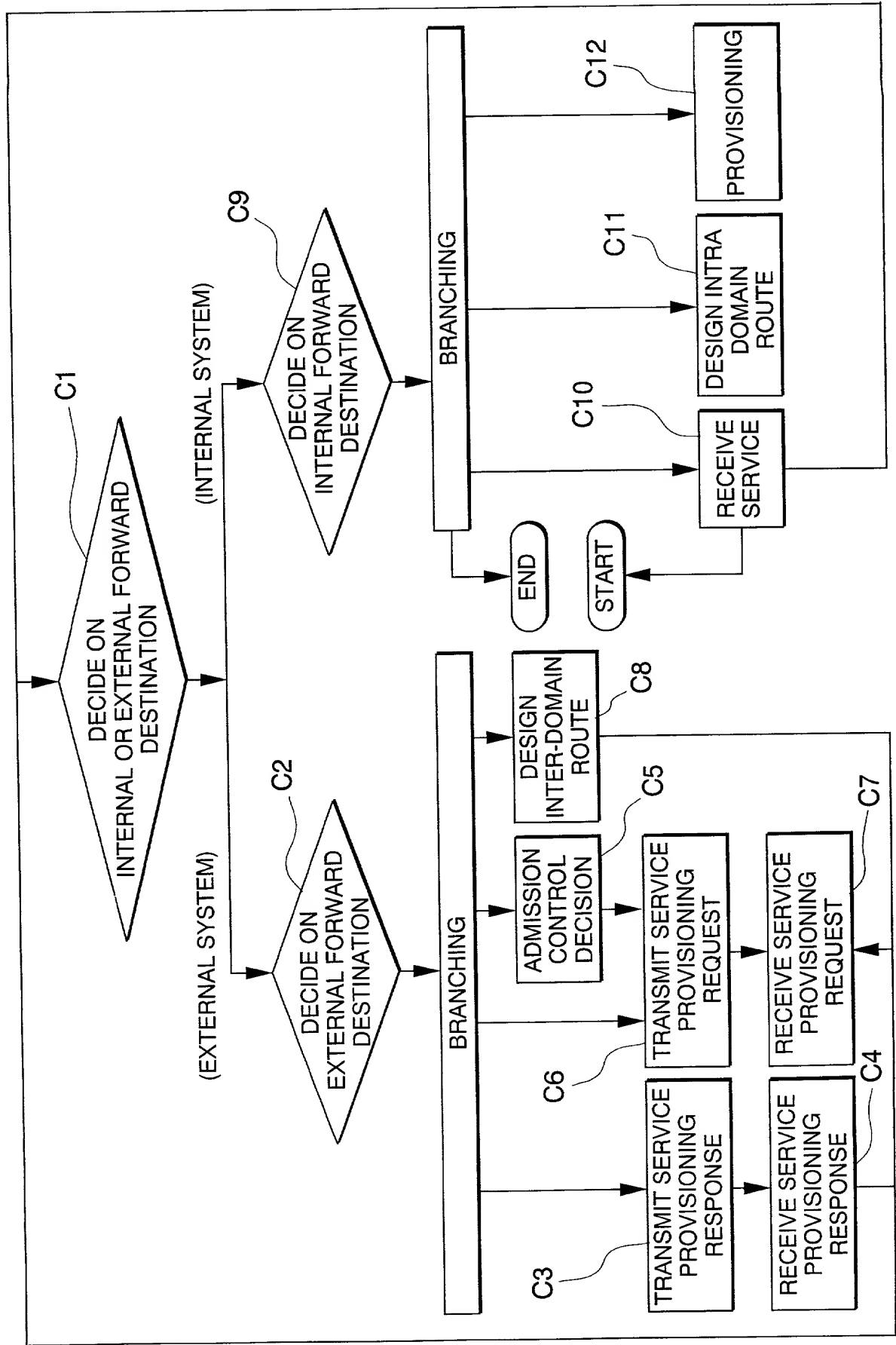


Fig. 7

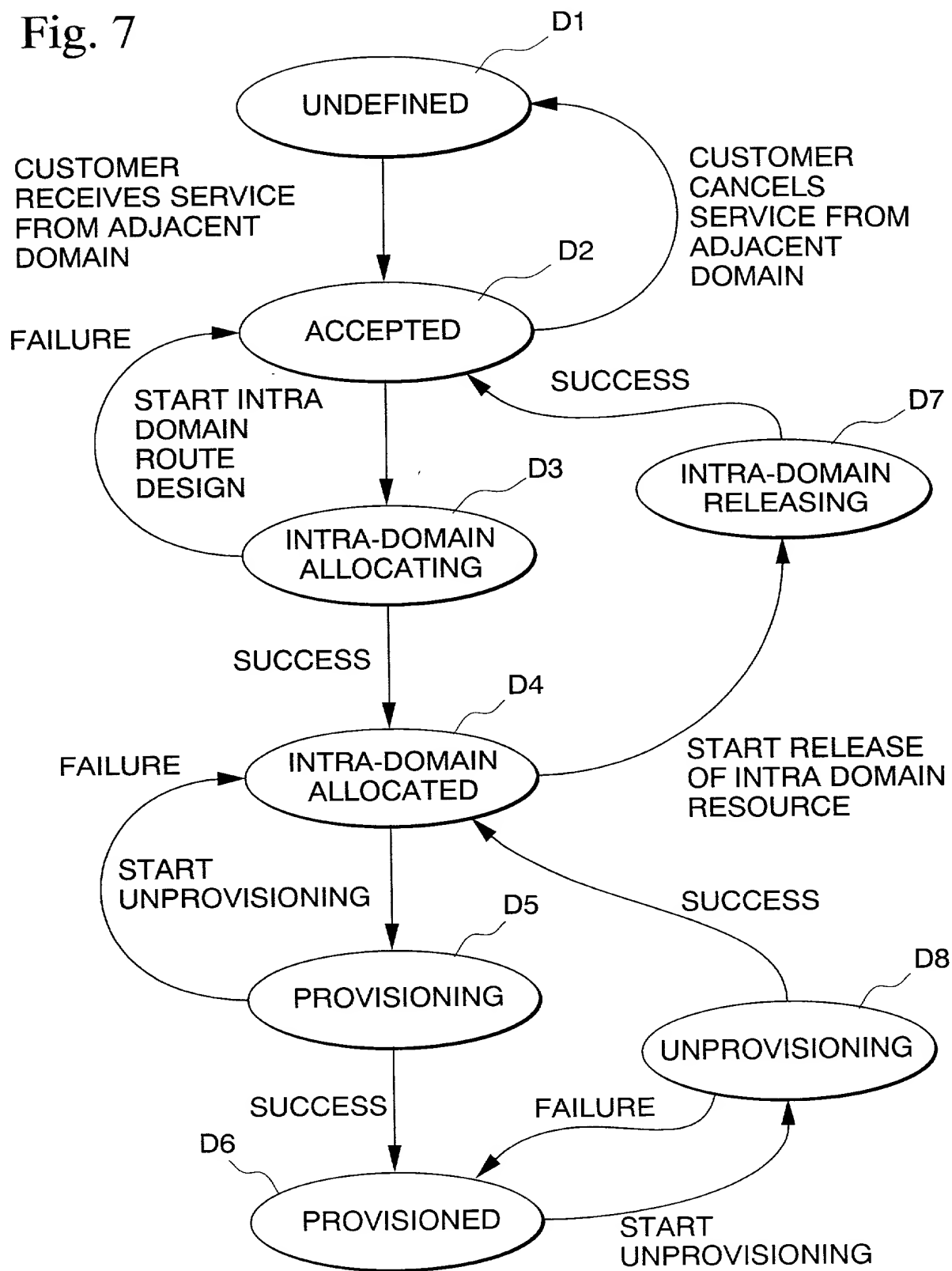


Fig. 8

Service status	Description
Undefined	Status prior to service receipt
Accepted	Status indicating service received
Intra domain Allocating	Status during design of an intra domain route
Intra domain Allocated	Status following successful intra domain route design
Intra domain Releasing	Status during release of intra domain route
Provisioning	Status during policy provisioning
Provisioned	Status following successful policy provisioning
Unprovisioning	Status during policy unprovisioning

Fig. 9

Logic for deciding on either an internal or an external forward destination

(Logic L1) If the current domain is the source domain AND the service status is "Accepted" AND the inter domain route is not designed, transfer to the external system.

(Logic L2) If the current domain is the source domain AND the service status is "Accepted" AND the inter domain route has already been designed, transfer to the internal system.

(Logic L3) If the service status from the source domain to the current domain is "Intra domain Allocated" AND the service status from the downstream domain to the destination domain is "Undefined", transfer to the external system.

(Logic L4) If the current domain is not the source domain AND the service status of the current domain is "Accepted" AND the operation result is "Undefined", transfer to the internal system.

(Logic L5) If the current domain is not the source domain AND the service status of all the domains is "Intra domain Allocated", transfer to the external system.

(Logic L6) If the current domain is the source domain AND the service status of all the domains is "Intra domain Allocated", transfer to the internal system.

(Logic L7) If the service status from the source domain to the current domain is "Provisioned" AND the service status from the downstream domain to the destination domain is "Intra domain Allocated" AND the operation result for the downstream domain is "Undefined", transfer to the external system.

(Logic L8) If the service status from the source domain to the upstream domain is "Provisioned" AND the service status from the current domain to the destination domain is "Intra domain Allocated" AND the operation result for the current domain is "Undefined", transfer to the internal system.

(Logic L9) If there are multiple domains AND the current domain is not the source domain AND the service status of all the domains is "Provisioned", transfer to the external system.

(Logic L10) If there are multiple domains AND the current domain is the source domain AND the service status of all the domains is "Provisioned", transfer to the internal system.

Fig. 10

Logic for deciding an external forward destination

(Logic L11) If the current domain is the source domain AND the service status is "Accepted" AND the inter domain route is not designed, transfer to inter domain route design.

(Logic L12) If the current domain is not the destination domain AND the service status from the source domain to the current domain is "Intra domain Allocated" AND the service status from the downstream domain to the destination domain is "Undefined", transfer to admission control decision.

(Logic L13) If the current domain is not the source domain AND the service status of all the domains is "Intra domain Allocated", transfer to service provisioning request transmission.

(Logic L14) If the current domain is not the destination domain AND the service status from the source domain to the current domain is "Provisioned" AND the service status from the downstream domain to the destination domain is "Intra domain Allocated" AND the operation result for the downstream domain is "Undefined", transfer to service provisioning request transmission.

(Logic L15) If the current domain is not the source domain AND the service status of all the domains is "Provisioned", transfer to service provisioning response transmission.

Fig. 11

Logic for deciding an intra domain forward destination

(Logic L31) If the current domain is the source domain AND the service status is "Accepted" AND the inter domain route is already designed AND the operation result for the current domain is "Undefined", transfer to intra domain route design.

(Logic L32) If the current domain is the source domain AND the service status of all the domains is "Intra domain Allocated", transfer to provisioning.

(Logic L33) If the service status from the source domain to the upstream domain is "Provisioned" AND the service status from the current domain to the destination domain is "Intra domain Allocated" AND the operation result for the current domain is "Undefined", transfer to provisioning.

(Logic L34) If the current domain is the source domain AND the service status of all the domains is "Provisioned", then finish processing.